

Converting Colors

XYZ(39.7166, 45.1316, 68.8843)

Have a look what the booklet for
XYZ(39.7166, 45.1316, 68.8843)
contains.

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Color

**XYZ(39.7591, 45.1896,
68.9143)**

Conversions

Conversions Part 1

Format	Color
Hex	89BAD4
RGB	137, 186, 212
RGB Percent	54%, 73%, 83%
CMY	0.4627, 0.2706, 0.1686
CMYK	0.35, 0.12, 0.00, 0.17
HSL	201°, 47%, 68%
HSV	201°, 35%, 83%
XYZ	39.7591, 45.1896, 68.9143
YIQ	174.3130, -37.5500, -2.3020

Conversions

Conversions Part 2

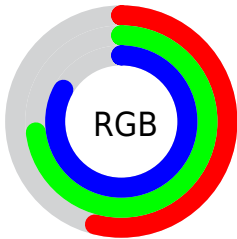
Format	Color
RYB	137, 167, 212
Decimal	9026260
CIELab	73.02, -9.75, -18.24
CIELCh	73, 20.683, 241.870
Yxy	45.1896, 0.2584, 0.2937
Android (android.graphics.Color)	4287216340 (0xFF89BAD4)
YUV	174.3130, 18.5797, -32.7235
Hunter-Lab	67.2232, -12.0670, -13.7253

Details

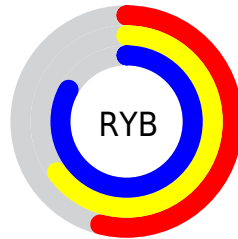
The XYZ color **39.7591, 45.1896, 68.9143** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.7648, 41.9984, 29.4154**, and the grayscale version is **40.3154, 42.4149, 46.1899**.

A 20% lighter version of the original color is **71.5404, 81.9307, 106.6514**, and **18.1295, 21.0942, 35.0143** is the 20% darker color. If you saturate the color by 10%, you get **35.1110, 40.5548, 68.2655**, and if you desaturate by 10%, it is **45.1724, 50.3392, 69.6237**.

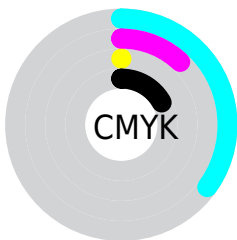
Distribution



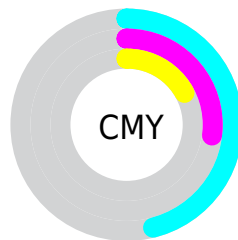
- Red (54%)
- Green (73%)
- Blue (83%)



- Red (54%)
- Yellow (65%)
- Blue (83%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (46%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7591, 45.1896, 68.9143 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.7591, 45.1896, 68.9143 by changing the saturation by 10% instead.

■ 39.7591, 45.1896,
68.9143

■ 39.7591, 45.1896,
68.9143

336.2590,
367.5409, 475.4144

■ 27.5341, 31.6068,
50.1706

■ 74.0832, 83.0049,
119.3257

■ 18.1134, 21.0613,
35.1768

■ 96.9131, 108.0061,
151.8305

■ 11.1316, 13.1688,
23.5145

■ 124.0086,
137.5823, 189.7594

■ 6.2234, 7.5449,
14.7650

155.7352,
172.1178, 233.5309

■ 3.0233, 3.8052,
8.5098

192.4582,
211.9970, 283.5637

■ 1.1661, 1.5652,
4.3305

234.5429,

■ 0.0794, 0.3340,

257.6043, 340.2761

1.8083

282.3547,
309.3242, 404.0869

■ 0.0000, 0.0000,
0.4334

■ 0.0000, 0.0000,
0.0000

■ 39.7591, 45.1896,
68.9143

■ 39.7591, 45.1896,
68.9143

■ 35.1110, 40.5548,
68.2655

■ 45.1724, 50.3392,
69.6237

■ 31.1827, 36.4065,
67.6718

■ 51.3848, 56.0196,
70.3927

■ 27.9297, 32.7210,
67.1319

■ 58.4330, 62.2525,
71.2243

■ 25.3011, 29.4702,
66.6430

■ 66.3503, 69.0567,
72.1204

■ 23.2373, 26.6216,
66.2019

■ 75.1679, 76.4499,
73.0827

■ 21.6660, 24.1358,
65.8049

■ 81.4477, 82.6614,
73.9506

■ 21.0458, 23.0775,
65.6333

■ 83.5374, 86.8407,
74.6472

■ 85.7144, 91.1946,
75.3728

■ 87.9796, 95.7251,
76.1279

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3185, 45.1896, 60.4722



39.7591, 45.1896, 68.9143



43.1785, 45.1896, 71.8840

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.7591, 45.1896, 68.9143



50.2743, 45.1896, 48.5574



39.3873, 45.1896, 34.1698

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.7591, 45.1896, 68.9143



44.7648, 41.9984, 29.4154

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.7250, 45.1896, 31.8795



39.7591, 45.1896, 68.9143



49.1243, 45.1896, 39.4301

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.7591, 45.1896, 68.9143



49.3727, 45.1896, 59.1910



46.3101, 45.1896, 33.6631



37.1124, 45.1896, 40.4083

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.7591, 45.1896, 68.9143



45.5911, 45.1896, 70.0698



46.3101, 45.1896, 33.6631



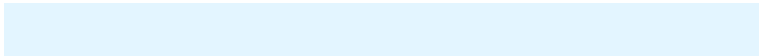
40.4155, 45.1896, 32.9554

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.7605, 45.1914, 68.9154



82.4489, 89.0150, 107.4438



40.3827, 55.0150, 42.6742



17.3390, 18.7788, 22.9608



0.0000, 0.0000, 0.0000



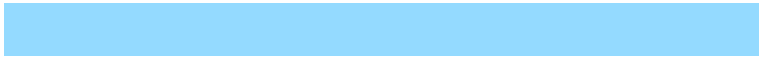
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7605, 45.1914, 68.9154



55.2833, 63.5840, 103.9669



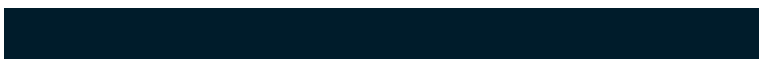
33.0281, 31.7266, 66.6712



12.4130, 13.3494, 15.8600



13.0893, 14.4403, 40.5505



0.8654, 1.0229, 2.4711

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.9612, 35.4348, 50.9261



64.4526, 47.4638, 72.0075



52.2064, 56.8815, 31.8959



12.7617, 12.5562, 14.6851



19.6657, 9.8026, 16.0755



1.2245, 0.6066, 1.1715

Previews

White Background



This preview shows how the XYZ color 39.7591, 45.1896, 68.9143 looks on a white background.

Color Contrast Check

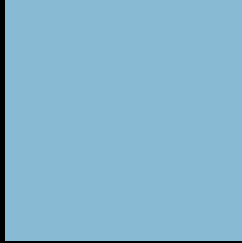
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.7591, 45.1896, 68.9143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7591, 45.1896, 68.9143

Background



This preview shows how black text looks on a background with the XYZ color 39.7591, 45.1896, 68.9143.



This preview shows how white text looks on a background with the XYZ color 39.7591, 45.1896,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.7591, 45.1896, 68.9143

Protanopia

44.0963, 44.7847, 64.7127

Deuteranopia

45.8277, 44.9800, 69.8850



Tritanopia

38.7544, 45.4291, 63.2260

Trichromacy



Original Color

39.7591, 45.1896, 68.9143

Protanomaly

42.2036, 44.6702, 66.0723

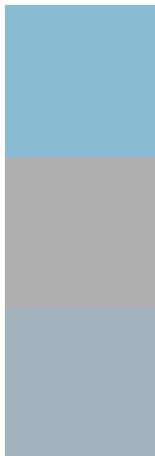
Deuteranomaly

43.2346, 44.8308, 69.3253

Tritanomaly

39.0642, 45.2311, 65.0641

Monochromacy



Original Color

39.7591, 45.1896, 68.9143

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.6954, 43.0487, 53.7940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7591, 45.1896, 68.9143 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(137, 186, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 186, 212) }
```

Border

The CSS property to change the border of an element to XYZ 39.7591, 45.1896, 68.9143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 186, 212) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(137, 186, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(137, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 186, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 186, 212); box-shadow:4px 4px 4px 4px rgb(137, 186, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7591, 45.1896, 68.9143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 186, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
186, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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